Art Behm- Those would just remain in place untouched by us. Thanks for all you're time and like I said if you'd like us to answer specific questions through out the day we'll be here.

Pat Stanley- Thank you so much. Are you going to leave Art?

Art Behm- I will leave someone behind and go on an evening flight if that's what you'd like to do? I have to go at one-thirty

Pat Stanley- Ok do you have some cards here that you'd like to leave?

Art Behm- Yes sure.

Pat Stanley- and thank you for bringing in fruits for us.

Art Behm- I think we went a little over board on it there's a lot of bananas here.

Cheryl Cadzow- I don't think you'd have to leave anyone behind I mean if anyone has any questions to ask it by one-thirty

Larry Nathaniel- Do we have the proposal here?

Pat Stanley- Yes we have one and we'll make copies for everybody

Evon Peter- Actually I had a suggestion because some of us are leaving this afternoon I forgot to make the suggestion this morning if somehow we can get lunch delivered here and kind of just cat here.

Pat Stanley- Its coming at noon

Evon Peter-Ok then we can just keep going through lunch.

Larry Nathaniel- Two-minute break

Pat Stanley- I'm going to introduce Richard Carroll Jr. and he's going to introduce every one else. This is why the visitors bureau is here. When we did these Empowerment Zone applications we are seeking partnerships with private enterprise for economic development and one of the big pushes in the Yukon Flats seems to be getting to be tourism we've all been talking about it and so we approached Richard of course and we had a long talk and he talked about his experience and his relationship with Fairbanks Visitors Bureau and so we approached them through Richard to see if they we're willing to partner with us on some things in economic development that they might be able to help us with and we might be able to work together with them and several people on the board we already know actually which is Richard and of course Ed Peoples and I don't know how many of the others you know. So I asked them if they would come and just talk to you, we talked about them helping us with marketing, training, what else was in that letter we talked about for the empowerment zone. Those are the basics and so Richard will go shead and introduce them and talk to us a little about the bureau.

#### (c) Richard Carroll Jr., Fairbanks Visitors Bureau Re: Membership

Richard Carroll- Thank you Pat, we were talking in depth and we talked so much. About two years ago I attended an economic development meeting in Fairbanks and, at that time, there were about four tourist businesses attended. Last year I wasn't invited back but it wasn't my fault, I'm going to be the keynote speaker this year and make up for it. But TCC and the department of agriculture last year thirty-nine villages and mostly native owned businesses showed up. Most of them kind of centralized out of the Galena, Koyokuk area. Tourism development is not to be ignored, economic development is a mission statement here from the CATG and we're not to ignore it. If we do ignore it we're going to be left behind we already got a drain from our villages, we got people moving out, and one thing I like about tourism is you can operate it from you're home, you don't need a lot of equipment, you don't need a big investment, you need people resources, and that's basically it and it can be controlled it's a very renewable resource. I ran for the board of the Fairbanks Convention of Visitors Bureau last year and I lost, when I was running against the executive director of the River Boat Discovery Tourist so I was up against some big guns. But I came a close second and I got appointed to a seat, well the chairman of the board has authority to acquaint two scats there and she appointed one of the seats to me. My term is for this year and I've been to every meeting and one of the first things we worked on was getting a rural membership policy changed, one that would include Tribal Entities to join as members at a discounted rate and I think its about fifty percent, one of the first things we did try to include outside of Fairbanks, Fairbanks gets eight hundred thousand tourist I think but we have a staff member here that will fill in all the details. But Fairbanks is being pushed as a gateway to the interior and it isn't going to be the final

Anchorage, Fairbanks, Juneau, Matsu, Kenai, Soldotna, that's where the major populations are. All the traffic in and out of those communities have left the satellites and then now are on fiber cables. Its getting a tremendous amount of additional capacity to do these rural Alaskan satellite based projects.

Even Peter- With the clinic and the school out there another major thing in our villages is our tribal offices and under the current system our Tribal Offices have six to twelve computers to play in there village and they are all connected continuously to the internet. So under you're system would that mean that for each of those computers we'd have to be paying this forty. Those would be part of this clinic school

Steve Walker- We know that would be an issue so we deduct a service level that's for up to three PC's we do more than that, its kind of tough to manage the band up to three PC's at ninety-nine dollars a month, so instead of spending forty-nine, forty-nine, forty-nine we spend ninety-nine three PC's. However where in you're village councils where you're currently connected today that its approved by the Rural Health Care Division so that they could be part of you're network and that they would remain part of you're network and there would be a ninety-nine dollar charge for the separation.

Pat Stanley- And we'd have the T-1

Even Peter- so what you're telling us is that there will be no additional charge for our council offices to continue to have the six to twelve computers on in the office?

Art Behm- What we're saying is that if you are operating under an approved plan now our proposals are going to change that. You can just keep on doing what you're doing.

Evon Peter- So under these seven hundred and ninety-six dollars that includes all the connections to our council offices.

Art Behm- That would include any approved connections through the clinics that RCD's operating under today?

Evon Peter- And

Art Behm- You know someone you can talk to about specifically that issue is Eugene Smith with manelic, he's responsible for a lot more things then just the health, the information systems at manelic for health care. He deals a lot with the IRA's and the village councils and how they get included and he'd be a good asset for you to talk to. I'll give you his phone number its 907-442-7268.

Evon Peter- So then my last question regards to that so when you're talking about installing all new hardware in the clinic for the current system you're also talking about installing all that new hardware to all the council offices and to our use.

Art Behm- Well really we wouldn't have to touch that. You've already got a circuit in place between buildings, We're just changing the main pipe going out of town.

Even Peter- I don't want to go much further but the thing is that the current system we're getting a new clinic in Arctic Village next summer most likely at a completely different location so we're going to have to have the power to connect.

Art Behm-Yes you have to plan to build that pad next to that new location.

Steve Constantine- The seven hundred and ninety-six dollar fee includes the local move in the village so it includes the move in the village that would connect from the earth station to that clinic to satellite linkage and then if there was another local move back in Fort Yukon or if there was a local shortage. So that entire circuit from end to end clinic to end user that's the circuit no matter how many pieces are in there

Steve Walker- And we'd have customers that are either building new clinics are had built new clinics and made a transition from an old one to a new one.

Evon Peter- So you guys cover cost for the additional moving hardware to connect. So the new clinics all the way across town so you'll connect

Art Behm- We wouldn't connect to the old clinic we would build a system to connect to the new clinic. Steve Walker- Its really done usually by you're local exchange carrier, its just a high cut that loop would be put in and then one is activated to make sure its ready the other one is deactivated at the same time. So there's really no change in cost or service loss.

Pat Stanley- That's what happen with the local Teleo did the moves from the clinics to the Tribal Offices.



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commitment up front to support a village with long using as equally as will support a village that has fifty customers and so on. Its only because of the contracts that we have with the health clinics and schools that allows to put that sort of a commitment up front, it's a loser for us we don't make money on it, we're making money on the other services we're acquiring. But its because we have that revenue in those villages that we can come in and put in a service that you know any Joe Smoos internet service provider in Anchorage or Scattle could not come up here and make a living providing internet services in the villages and we realize that and we realize that's why you're villages have been dark for so long with trying to get good high quality high speed internet services into the home. We're piggy backing this new wireless effort to give nice high speed pipes to homes on the backs of these subsidized programs that deliver services to the clinics and schools.

Pat Stanley- And the Universal Service Fund does not feel that you are utilizing-

Art Behm-Well you know I could sit here and specifically and tell you about transponders on satellites that are only serving this customer and not this customer all that discussion has happen with the Federal Government and we have letters with signatures saying this is all approved. We would not risk our money and capital if we were doing something unnecessary.

Don Stevens-You know I don't really understand that much about computers and stuff like that so if our present provider is right here and you guys get hooked up where are you guys?

Art Behm- our present provider here based on what?

Don Stevens- Based on the service we're getting now you know with the school district, the whole Yukon Flats?

Art Behm- The service you're getting now is about one twelfth and so we're looking at increasing the service by about twelve times. Twelve times faster, bigger

Steve Walker- When we upgrade the schools to the band of pooling system we're basically taking we do a four fold increase because now we've got instead of that pipe that's just fixed and that's the only access that you got. Those fifty-six k pipes in and out, once we get the pool there we can actually expand what you've got for the same price, so we expand the schools pool four folds. So if it was a fifty-six K circuit it will be what's called a two fifty-six, sixty-four K circuit where you have the ability to pool data from the internet at a rate of four times as much two hundred and fifty-six K the ability pushing it stays the same and generally the school environment are an user environment you're only pulling data, you're looking for things on and off of the internet to give to you. If you're sending something it could be e-mail, it could be if you're on chat, whatever, the band wit for that out of a normal user is very small where it gets to be really big is if you're a commercial provider like AOL or Yahoo or somebody whose providing services. The things we won't let happen on this network is you can not be the provider and be resident on the wireless network because then you'd be trying to push large amounts of data and you'd flood the system and you can't have servers on the system. That's a minor restriction the pushing see internet access is typically pulling, I see this website she's in with that picture, gees I want that book.

Art Behm-So most of the Internet traffic is what Steve just said to you. But when we come out and we train folks in the homes to build they're own web pages they'll actually be pushing a little bit of content, they'll be a web page for Joe and Jims guiding service.

Steve Constantine- You will actually be in Anchorage, so you're not pushing it from here you are pushing it from Anchorage so you're not clogging up the pipe here in the village. So you'll be getting web space from Anchorage on a server here.

Art Behm- We've looked at all these issues and we've said ok what's the best way to get this done so that everything is affordable to the people and when it comes to us coming in and training people to build there own web pages everything they do will be housed as Steve said in a machine in Anchorage so that if you're trying to attract tourism, you're trying to get hunters to come in, their going to see you're web page but their not actually going all the way out to Beaver to get to that web page, that web page is being shown to this perspective customer of you're s out of a computer in Anchorage.

Pat Stanley- When do you know you've reached the capacity at you're pipe I mean you're going Statewide, you're building what are you going to do add on transponder space or what?

Art Behm- We're currently in negotiations for another transponder. Right now our GCI runs on about seven transponders and most of the telephone traffic in Alaska is going over fiber optic cables today. So

Received:

Charleen Fisher- Ok because for me to bring it to the Beaver Village Council I need to bring them something and if the lease is in there and all of the specifics you know that will be great but-

Art Behm- the actual lease document is not in here but I can get that

Charleen Fisher- Ok and if you could like draft a letter to each one of the tribes so that we have something to bring to them.

Art Behm- Would you be able to give me a list of people to draft that letter to and I will go shead and do that?

#### Charleen Fisher- Thank you

Even Peter- I had a question you said that only PC's would be able to be served and not Mac through the system and our whole school has Macintosh computers so will that, how much of it will

Art Behm. We currently support Mac's for the school districts but for the wireless Internet access to the homes the only support is with a PC.

Steve Walker- This isn't available to the schools this would be a service just to homes, so the service that's to the school now continues

Evon Peter- So they will be operating on the fifty-six speed at the schools

Pat Stanley- That's how there going to operate

Art Behm- The schools upgrading as I told you earlier they have already told us that they want circuits to be increased and band with them they want more applications put on there. So we're preparing to do that we just need to know whether we need to prepare it for this way or this way.

Steve Constantine- The PC focus for the home use vs. having PC on a Mac is because they'd have the antenna

Evon Peter- My last question is how long have you guys been doing this offering wireless service through these towers in the villages?

Steve Walker- Actually we've began operation to this system in conjunction in the North West Arctic area two months ago and we got about a hundred and forty customers right now, we're starting a fielding of it this next week and we've had customers up in Ackitan, False Pass, St. Mary's, Nelson Lagoon, and Tooksook, since the first week of September and we're going to go out and start customer sign up and start beginning next week with customer installation.

Evon Peter- The reason I asked that question is cause I'm wondering if how consistent the access is then and if you're planning any-

Steve Walker-We plan to be very consistent it's a on domand system and there is a, we do have some contention issues that you're sharing pool, but again the pool is very large so we found that in a village for example Buckland I think is about four hundred and fifty people and they've got around twenty customers that are online now with the internet, the majority of them are two fifty- six some are at fifty-six level when we take a look at the access points usually we'll find five, six, seven customers up and the total band you're pooling is probably in the neighborhood of maybe seven or eight hundred K at one time. So its working very well for those customers.

Art Behm- We're having to build these networks to go Statewide and what we're addressing here is the manner in which we grow. We come into this area and grow quicker or do we come into this area towards the end and that's the economics on our side. So that's why we have to pull so far. The technologies that we use are driven by what's available in the market place and at price points that we have to live with you know we need to have the service affordable and I understand a forty-five dollars a month is not affordable for some people and that's why we offer a twenty-five dollar a month service as well. But we have to look at this as a Statewide initiative on our part we're a fairly large company now and we need to support these systems so we have to have a standard. A standard by which we can give a high level of support to and I've left some references, names, and phone numbers with Pat and I'm sure she'll share with you to check on this.

Marion Anderson- Do you have to have a certain number of subscribers in a village?

Art Behm- No we've made a decision that we realize that not having internet access for so many years and I've talked to few of the folks in the airports while waiting for planes and I find out that there AOL bill is two or three hundred dollars a month for long distance bill for that. That's a very frustrating way to have a internet access and we realize that this is going to be a growing sort of thing so we're making the

Evon Peter- Yes I was just wondering are you willing to negotiate on the terms of the agreement that you're proposing to us cause I was thinking you know the forty-five dollar a month fee for our villages most of our people at least in Arctic Village can't afford it.

Art Behm- There's a twenty-five dollar a month fee service as well, there's two levels one has the fifty-six kilobit and one has the-

Evon Peter- That's a slower speed or something

Art Behm- It's a slower speed, it's the speed that the entire school district is running on right now I mean we're providing the Fort Yukon School with the fifty-six kilobit circuit serving all the kids in that school. The service that we're talking about for twenty-five dollars a month is similar speed.

Even Peter- The other thing is with that requires wireless insulations of computers and receivers for every home in the village and would you guys be providing that.

Steve Walker- There's two requirements that are necessary for that oustomer to have a computer that's right now the equipment that we're using is from Grayling there's certain requirement entitled to the computer it has to be a PC and not a Macintosh, it has to be USP compatible for that, however is not charged with the equipment there is a activating fee of ninety-nine dollars in a one time charge to get all the e-mail accounts and all the administration steps but there is not an equipment charge that remains GCI's property.

Art Behm-We put about five hundred dollars or so in to each house and into our station per subscriber to get you turned on wirelessly and we're retaining ownership of the equipment so its nothing that we're settling to yet. But like Steve said there's an activating fee that recovers part of our cost.

Don Stevens- What about the local technician watch dog?

Art Behm- We hire a village agent for the company everywhere when we blow up one of these systems so we would interview and choose someone.

Don Stevens- Training to

Art Behm- Certainly, and that's one of the biggest changes in our proposal to CATG, this is the first proposal that we're making to any health care corporation in the State of Alaska that involves this level of training, we're really convinced that unless this training happens these things turn into coar racks and we don't get the attention that they deserve. So part of our proposal is a commitment to you're organization that we will travel once a year to every village and provide training to Joe and Mary down the street that want to learn how to build a web page so that they're crafts and hunting trips can be sold. So you know that unless this training is given this sort of access is me or it will only mean something to the younger kids that are just getting out of school that know how to access the internet and know its out there. There's a lot of elders a lot of folks that have been out of school for a long time that don't understand how the internet can benefit them and that's what this training is geared towards.

Pat Stanley- We have connections now in our network with the university for a distance learning and so the university center is on the CATG network and they are part of the system. How does what you're doing effect that?

Art Behm- Probably only enhances it and you're connections will only be

Pat Stanley- Our connections will all be the same right?

Art Behm- You're connections you mean organizational or technical?

Pat Stanley- Yes well these are technical connections

Art Behm- Give me an example?

Pat Stanley- Well the university system is wired you know as part of this system is getting Internet access through CATG.

Art Behm- The university where?

Pat Stanley- Right here at the Yukon Flats Center not in Fairbanks but here

Art Behm- Ok, we will have to talk to you about that just to find out a little bit more after the meeting about what you'd like to do there

Charleen Fisher- I was actually unaware that we were providing them internet access but my question is to do with the tribes have you put together a letter of proposal or including in that packet that a possible lease agreement and started discussing these with the individual tribes?

Art Behm- No we haven't we just made the proposal to CATG at this point

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Steve Constantine- if there was an issue in the future and you had GCI as a customer and you were dissatisfied with the level of services you were getting you call me, you don't call a technician or health aides you can call me.

Art Behm- Its important in any discussion for our customers to understand the quality service and the level service that the vendor provides and I'm sure you've had years of having empty promises given to you but we've invited to give you a demonstration at another site, we can give you references of current customers where these promises have been made and kept to show you that this isn't anything in for us and I believe you are at a decision point here a very important decision point for you're immediate future that could not only give you some relief to the stress that surrounds delivery of health care in the rural environment but also to improve the community's access to something that we believe is going to be a central in the coming years and that is good quality high speed internet service. Part of our proposal to CATG is to not only provide these circuits but to provide a trainer to go into every village once a year and teach the people in each village how to build there own web pages, it provides training every year once a year to come into Fort Yukon and to provide a centralized training of more advanced classes. Its very important for you to understand that these government programs that come here that provide revenue to companies like GCI to increase services to you're people, the benefits are going to cascade down. Pat made it aware to us on our last trip that CATG had made a substantial investment in some equipment that's used on the AT&T circuits today. I went to my boss and got approval to completely replace that equipment at our cost, in other words no cost to you. We will come in and provide a different platform of electronics something that is more industry standard that can accommodate for you're needs today for voice and computers of traffic between the villages. Also with Steve's help I got approval from the company to provide a video camera to everyone of you're clinics so that when these circuits get delivered and installed that one of the very first things that the Health Aides and the Doctors can do is say hello to each other live. Those normally are cost that have to be incurred by our oustomers but because of the situation that you're in and the equipment that you have the date serving you're needs its necessary for some investment to be made. I'm not saying that we're going to be the end all savior when it comes to telecommunications you still have some issues you have phone systems in you're clinics that aren't exactly appropriate and need to be changed, you will need some additional management services that you're currently getting now from Steve Simcans that will need to continue, because these sorts of networks don't run themselves they need to be managed. We can offer those management services to you're organization however its been made quite clear to me that you're happy with you're current provider of maintenance on these boxes and may continue that relationship.

Steve Constantine- One of the things that I think the most important part about tele-health or tele-medicine anyway you call it, it does two things it approves access to cares and it approves quality of care and those are the two most important things about what tele-medicine can do for you.

Pat Stanley- We talked a lot this morning about mental health for one thing and we talked for a long time with video conferencing and certain ways to assist the mental health piece to be able to interact with clients all over the region.

Art Behm- Steve told me that there going down in the search

Steve Walker- They are doing the search, around the Sitka area, where they actually consults psychiatrist on video teleconferences who is located in Sitka.

Art Behm- and this is getting reimbursed this is

Pat Stanley- Its got to be a reimbursement

Steve Constantine- It's a high band region C application where it's the movement and everything is very, very good and meets clinicians' needs.

Art Behm- So I guess the message is the opportunity is here now if we can get a commitment from CATG here within the next say thirty days we can go out and buy the equipment, arrange for the labor, secure the shipping routes for the barges and put in our orders with the manufacturers so that we can be here in the spring to start construction in all you're villages and if you have more questions for us that you would like to ask but don't want to encumber this meeting we can hang around and answer those questions.

dollar what you're getting what you're getting here is you're getting the government the U.S. Government paying ninety-three percent. Approximately ninety-three percent of the cost of this program and the eighty thousand dollars that we just talked about the annual cost that represents about seven percent of the actual cost of rebiding the service.

Pat Stanley- I'd like to ask a couple questions maybe both of you might answer. One is how does the universal service fund look at a pool band with and the other question accompanied with that is, that T-1 always available to us you know at any time day and night.

Art Behm- The reason for Pat's question is there's claims being made by our competition is that there's some funny business going on and Steve could you ah, we specifically prepared for this question so-Steve Walker- We've done a couple of things one we had fixed band with contracts with a couple of Health Organizations we put in a service change request when we realized that we had to change our method of delivery to the packet bay system which is pooled in. we've received permission from RHCD stating that the fixed band with delivery and the pool band with delivery given the services provided and given the benefits of the change and its not even rewritten as a contract as a new contract which means they see it as a no real change. I guess the significance of that is that they don't see technically that there is an issue with how you would receive the band. One of the things that are really difficult to understand that I suppose is that guarantee T-1 bandit. If its not there originally how do we guarantee it. Well we guarantee that it would be available to our current level of service which if it were fixed we would also guarantee that it would be available to our current level of service. Given sun outages, giving millions of problems and etc. we would always make sure that that's there and the same thing is happening with the pool of band service. Because of the size of the pool and the capability that we have to monitor our system we do something called active band with management, which is a use of computer generated models that tell us what our current usage is over the satellite, it tells us whose drawing a maximum of what time of day, it gives us just an incredible amount of information powered band of this being utilized over that satellite. Once we got to an eighty percent act or eighty percent utilization on an averaging bases we increase the pool so that we never get to a hundred percent use of the pool. Because we know there's going to be times with everybody's going to want a larger chunk of it and at that point it wouldn't be available so we'd have to increase our pool. So if you're active management we make the pool large enough to ensure that everyone gets what they want when they ask for it.

Art Behm- This particular pool is only for telemedicine, Steve Constantine is our program manager for tele-health and he works specifically with our customers like Norberto here. To find out how there using the services and figuring out better ways to do things and develop additional applications. Steve why don't you give it to them a little.

Steve Constantine- About a year and a half ago GCI decided that they needed to have that they had a growing amount of tele-health customers and they needed to have someone who had more knowledge of how the health care industry board. My position was created and a few months after that I was brought on. I'm a hospital administrative by trade, I've worked through out hospitals and clinics, including running medivac operations. About five years ago I started to specialize in computer systems and a little over a year ago I joined GCl. I understand delivery health care, I understand hospitals, I understand clinics, and I understand health systems. So my job is to help our health customers get there equipment up and running act as an inner face at the technical level and help them look at new applications like the AFCHAN telecoms card that's coming, how do they optimize utilization of things like that? So that these circuits get used. If you have this big pipe in you're village and you're not using it to deliver health care its not going to do you as much good as it could. If you go up into the manila grieving in Kotzebue the Manila & Doctors up there do virtual rounds every day, they talk to the Health Aide in each village. One Doctor will be talking and has about three or four villages assigned and they cover them all, they do that every day and in Traumas they do it and it helps them tremendously, they even delivered a baby over the video teleconferencing when the mom couldn't get in because the weather was bad. So my job is to support the customers so I support the folks in Korzebue, the Nome region, the Bethel Region.

Norberto Sanchez- I have a question for either you or Pat. Who is responsible for making the connection between our clinic and the ANMC right now, is it AT&T or?

Pat Stanley- AT&T and they are working on it right now and is trying to get that cleared up.

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believe in Fort Yukon because we have to build a larger system here because this is the hub of you're region we could look at probably matching this and giving you a net zero cost.

Charleen Fisher-Could you explain this to me a little more simply, alright are you proposing to CATG for use of the wires or you proposing to the Chiefs of the individual villages for lease of the land cause if it is something is for the village it has to go through my village council.

Art Behm- I understand this is village council money here

Charleen Fisher- We would be paying you that?

Art Behm- No we would be paying you-

Charleen Fisher- You would be paying us that for use of our property?

Art Behm- For the gravel pad, for the lease on the, we need a ten by twenty pad for the dish and a ten by twenty pad for the building so this is ah I did some research and found out what we're paying in all of our smaller villages around Alaska and this is what we're paying everywhere else. Fort Yukon needs a little bigger footprint so I believe our rent, the rent that we would pay would pretty much match.

Charleen Fisher-But also accompanying this lease issue is circuits right? And then how much do we pay for that, that's the increase is the?

Art Behm- this is the circuit that we're talking about

Charleen Fisher- Ok that would include Internet access for all of our communities but also the new things for the clinic?

Art Behm- This just deals with the circuit to the clinic.

Pat Stanley- One village, so multiply that

Art Behm-What we're saying here is what I'd like to expound upon more after the meeting or you don't have to take up a whole lot of time right now but by us building the facility to deliver this service to CATG the benefits to the community are immediately having access this summer to wireless internet access at two hundred and fifty-six kilobits speeds for forty-five dollars a month. It provides us the plan by which we upgrade the school because we need to upgrade the school. This is going to get upgraded either we go to the school or we spend more money on the dishes at the school or we do this.

Charleen Fisher- Ok so that seven hundred and ninety-six is one village so over all for the entire, it would be a CATG expenditure right?

Pat Stanley- That's what it is now, when we first started the whole process everything was more expensive and each village actually at that time said they we're willing to spend five thousand dollars a year out of their budget for the service. We have never asked for bills for five thousand dollars a year, never done that.

Charleen Fisher-Ok so over all what it is at a yearly cost?

Art Beam- what do you mean over all?

Charleen Fisher- The total over all

Art Behm- You mean this number times the number of all the villages that you're wanting?

Pat Stanley- Times twelve that's a month per month

Art Behm- Actually you have circuits to eight villages right? Rampart, Circle, Chalkyitsik, that adds up to eight and then there's a circuit that goes to Fairbanks to go to Chief Andrew Isaac and then there's a circuit that goes down to ANMC so there's a-

Chariesa Fisher- So you must have a total? A yearly total?

Pat Stanley- We will make copies of this report for you all, we just didn't have time.

Art Behm-Yearly total is just under a thousand dollars a month so multiply that by twelve, about ninety-six thousand.

Evon Peter- Think currently what we pay on a yearly?

Art Behm-you'd have to multiply this out by ten and then multiply it by twelve so you'll probably-

Evon Peter-Less then a third of what the number you said so we'll pay about thirty thousand. Is the-

Art Behm- well what you're getting for this is a hundred and twenty-eight kilobit, this circuit is twelve times the size of this circuit. So you're getting 12X the services for what looks like about 2X you're cost alright. Now I'm assuming that there will be some sort of a transfer or an acknowledgement that what CATG by increasing there cost that some how this rent or lease or the five thousand dollar commitment will begin happening because other wise it will all fall on CATG. But it's a very for the

December of next year because of you're contracted with AT&T. But we need to make decisions this fall, this winter if we are going to be doing construction in you're villages next summer and our commitment to you is that if we get the nod if we get the contract with CATG to provide you with the telemedicine circuits in the future for you're organization that we will build this network and open it up for internet access in you're communities before December of next year. In other words we have to come up here in the summer time and actually do our construction we will be hiring local people, we will be buying local materials, and when that construction project is done physically what you will see (can I use this chart here for something to draw on?) what you will physically see in each village, will call this the school and this the clinic. We're going to look for a piece of land that we would lease from the village corporation or the IRA or the landowner. On this property we will put the satellite dish and we would also do monitoring and we would also jointly or in the same location put the tower.

Steve Walker- Correct the shelter that would electronics for the satellite for the earth station attached to that thirty-foot tower with an antenna on top of it.

Art Behm-We would install a tower on the same pad along side the clinic, this tower would be able to see every home in the village to give them high speed always on Internet access. We would then provide the clinic its circuit and we would provide the circuit that we provided to the School District. This is what we have to make a decision on whether we're coming out here to negotiate a lease and build a gravel pad, build a building, build a larger earth station, and build this tower, the decision we have to make is are we going to be doing this next summer and with an indication from CATG that there interested in doing this soon we can make those decisions so that we can be out there in the summer. Now I can't provide this circuit to the clinic till December of 2002 because of current contract CATG is covered by. But that will not prevent us from offering this service as soon as the construction is done.

Pat Stanley- How would that effect our existing circuits that we have connecting our council offices as part of the Health Care structure?

Art Behm- Are you speaking in Fort Yukon?

Pat Stanley- No everywhere, we have in all our villages that connection.

Art Behm-actually Steve's background is more of what is permissible and what allowable under the current programs.

Pat Stanley-Its acceptable under the current program because of administration and because the villages all own the clinics and so we connect it and that way, I mean we're being accepted now we're getting paid by universal service fund for the whole thing.

Steve Walker- Anything that is designated as a Health Care Provider that has met the criteria for the rural Health Care Division as a Health Care Provider. They host on the rural Health Care Division web site, a statement of needs and that statement of needs basically says I want communications or I want circuits to support my Health Care Provider clinics. For those clinics the and there is no limit on the amount of communications you get. You can ask for ITI, you can ask for 5TI's it just matters what you need and the rural Health Care Division compares that to the nearest urban area which in the case of Alaska is Anchorage and they have an urban rate for that urban area. So for example if you were buying a TI in Anchorage it would cost you seven hundred and ninety-six dollars and ninety-five cents a month to string that or to pass that TI across Anchorage so that is also what the clinics would pay seven hundred and ninety-six dollars ninety- five cents. The rural Health Care Provider in subsidizes the remainder of the cost up to the retail rate charge by the provider.

Pat Stanley- And then how much rent are you talking about paying for the building?

Art Behm- Well if you want to go through the money we can do that. Its seven hundred and ninety-six dollars that's how much these circuits cost per village. Currently you are paying, this is for what is called a C-1, currently you have a hundred and twenty-eight kilobic circuits and you are paying two hundred and thirteen dollars. So we owe a difference of five hundred and eighty-three dollars a month, that's a difference in the cost of our circuits as oppose to the circuits you have now. What we're proposing to do is meet our ah we're paying leases and rents in every village that we're located in and with the adjustment for inflation we can commit in the smaller villages the two hundred and ninety dollars a month and in Fort Yukon maybe five or six hundred dollars per month. So in the smaller villages we're looking at an increase of just a little bit less then three hundred dollars a month that you would need to budget for. I

FAX NO. 907 662 3333

service to every community where GCI serves. However, in you're area with the contract that we have with the school district and not with CATG for the Health circuits it slows down the process by which we make business decisions to install and put the assets in to deliver services. So we are hoping that CATG would consider combining the business that GCI gets currently in you're area from the school district only to be both CATG and the School District and to expedite the process of providing wireless internet service to every home in you're villages at the same price that some one in Fairbanks or Anchorage pays for the similar service. With that I'll ask Steve Walker first of all to describe a little bit of what he's currently doing in the State, where he's doing it, how its being accomplished, and what sort of results he's saying.

Steve Walker- like Art said we've been upgrading the facilities and the reason that we have been upgrading the facilities was that a couple of years ago we looked at the band of utilization across the State we realize that we kept expanding at the same rate that we had been for the last year to six months, previous to that we have run out of satellite transponder space. Because everything was delivered by a fixed band of systems so we knew that wasn't going to be an option for the future we had to come up with something new and we worked with the folks that build and launch and manage and prevision satellites that provide you guys comset. We've come up with a way to provide pools of band width on demand, so instead of having a fixed pipe if you will be going to one place that was only used by that one area at any one time and no one else can use it if they weren't using it. What we had was a pool that would greatly expand it that everybody would take their service from us.

So we increased for example you may have a community that had a hundred and twenty-cight kilobit circuit that was feeding the school that school then reserved a hundred and twenty-eight kilobit into the school and a hundred and twenty-eight kilobit out. Well that wasn't a very efficient needs so with the new system that we have we've increased that approximately four hundred on the in route. It's a pool of forty-one bits that when they need it they draw from it, when they don't need it they don't draw from it. So it makes it very flexible, it also cuts the severs the tie if you will with you're ownership of anyone piece of that band hood which was very important for a lot of the funding organizations such as Universal Services Administration puts me through either the rural Health Care Division or through the Schools and Libraries Division. . Well if you are sharing a pool to begin with you're sharing and if that's what you're contract says you will do you'll share. So what we have got now is a scheme where by sharing that pool with the contracted organization to get what they want when they want it, we were able to provide what was not being used at that time for the pool to do other things and one of those other things was wireless internet. In the communities where we have upgraded our system particularly northwest Arctic we have started down the Aleutian Chain and some in the Kuskokwin Yukon Delta Region we're putting in wireless access for you that provide a two hundred and fifty-six kilobit or a lower speed fiftysix kilobit service to homes. The cost is forty-five dollars and ninety-nine cents for the two hundred and fifty-six kilobit which is equivalent to the cable modern rate in Anchorage, there's a lower band with circuit service that twenty-four dollars and ninety-nine cents a month that's equivalent with the dialact in Anchorage the same price and we have been able to do it since nobody really owns that pool everybody shares that pool and actually that's the way that its developed so it works out well for everybody. Basically what we've done is we've taken the transport cost and we negated it cause the pool is always present

Art Behm- That's a good technical explanation of how we are able to offer a service at an Anchorage price in Fort Yukon, Beaver, Chalkyitsik, or Arctic Village. What GCI has in front of it is a long planning period where we order equipment, build stations, and build buildings, construction projects all across the State. In you're particular region in you're cight villages Fort Yukon we have a mandate in front of us to improve the schools internet services, the Yukon Flats School District is interested in doing video or what's called distance learning. Which allows a teacher in one area to teach another area as if he/she was there. We have to make a decision or we upgrade the dishes that are at the schools and only work with the revenue and the assets associated with our school contract or we look at building a system that not only serves the current contractor that we have with the school district but to serve a contract with CATG that we have for the Health Clinics and open this internet access to every home in every village in you're communities. That's why we're here today showing you a proposal that really we can't act on until

Received:

Larry Nathaniel- any more comments or concerns? If not we'll go to GCI.

VI. REPORTS

A. Administration

1. Pat Stanley, Executive Director

Motion made by Second by

Passed

**TABLED** 

- (a) Geoff Strommer, Hobbs, Strauss, Dean & Walker Re: CATG Claim for FY 2000 & 2001 Indirect Cost
- (b) Art Behm, GCI
  Re: Local Access Discussion

Pat Stanley- This: is Art Behm and he's with GCI and he's brought some people with him he would like to introduce. He has come up here before and talked to a few people, Dale, myself and some others about the possibilities of local access that means being able to access the internet from you're home as if you were in an urban area for a similar kind of cost. But the proposal they have for you has to do with how it affects CATG and how CATG would need to participate in that in order to make that happen and he is here to explain the process and introduce his technical staff and describe the process and then answer questions and this is something that probably couldn't happen for a year but that we need to understand so that we can weigh options and opportunities and he did bring, he did send up these booklets there were three of them and we haven't really had a chance to review them if you want to go through we will make copies but if you could go through and describe to the council so they get first hand information about it and introduce the rest of you're staff with you. Thanks Art I want to welcome you and Thank You all for coming today.

Art Behm- Thank You for inviting us. I brought two of our employees from the Department that I work with @ GCI. There is Steve Constantine who is our Telemedicine Program Manager and Steve Walker whose title now is the Wireless Internet Program Manager. GCI as you know is an Alaska Long Distance Telecommunications internet multi level company and we've had for a number of years a contract in you're area to serve the schools to provide the schools with Internet service. One other aspect of what GCI does in the rural areas of the State is provide telemedicine service to clinics to connect them together to connect them with the Care Center and to connect them with ANMC. This program is a very successful program, GCI is currently serving over eighty plants around the State with high capacity digital circuits. The proposal that we have in front of CATG is to consider GCI to follow the current contract that you have with AT&T, which expires in December of 2002. Our proposal to CATG is to bring you're network up to our width the networks that are installed and running and most others around the State. These networks would provide additional applications, it would accommodate video conferencing in between clinics and doctors, between clinics and clinics, between Health Aides and each other. There's a number of ways that video application is being used by some of our customers that is lowering the stress of Health Aides in rural communities increasing the support that they see from there organizations. We understand very well the stresses that are involved in trying to deliver Health Care in remote areas where you don't have enough staff or facilities. This capability for a Health Aide should immediately have a face-to-face conversation with a doctor somewhere else is an valuable asset. I'm going to let Steve Constantine and Steve Walker speak specifically about their specific areas of responsibility but the overall proposal to CATG is to not only use GCI for telemedicine service but to explain to the community the benefits that will come to that with the investment that GCI would make in you're villages approximately 2½ million dollars would be spent by our company in you're villages to build a facility that would be able to provide this service to the clinic in addition to the money that we have to spend to connect the clinic up we would also spend additional money to build an asset for wireless distribution of internet to the homes. This is not really an empty promise it is being done in many villages across the State today and we have released a press announcement that we do plan over the next three years to provide the

#### COUNCIL OF ATHABASCAN TRIBAL GOVERNMENTS OCTOBER 18, 2001 - FORT YUKON, ALASKA

#### REGULAR MEETING

#### FIRST DRAFT

I. CALL TO ORDER

Meeting called to order at 9:30a.m. By Larry Nathaniel

II. ROLL CALL/ ESTABLISH A QUORUM

Charleen Fisher Larry Nathaniel present

present

Evon Peter

present

Stanley Jonas

present

Winston James

present

Grafton Beiderman Cheryl Cadzow

absent

Don Stevens

present present

Rampart

absent

Quorum Established with 7 present and 2 absent

III. ADOPTION OF AGENDA

Additions:

M. RC&D Self Evaluation

N: Indirect Rate

- O. Tribal Ordinance
- P. Board Decision
- O. Education Summit

Cheryl Cadzow- I have a question for Pat on the Agenda, at the last meeting we asked that this be a one day meeting and that all the reports be sent out to us early and then we'll just know what's going on with all the things.

Pat Stanley- I know I think - well - we had difficulties with September 11th and then we sent them out and they had difficulties with getting reports in and I apologize for not getting them out.

Cheryl Cadzow- OK - I'm not asking that - I'm asking why you never discussed it with me 'cause I'm a Chief and you're saying you discussed it with the Chiefs. I only took a one-day leave 'cause I thought the meeting was one day. (recorder stopped)

Charleen Fisher- Add on Board Decisions P.

Larry Nathaniel- Is there any more additions to the agenda?

A brief discussion followed concerning the addition of the Education Summit to the agenda. It was decided to include it as O.

Larry Nathaniel We will table all reports except for the GCI, the Fairbanks Visitors Bureau, and we'll go into Business and the additions

- M. RC&D Self Evaluation
- N. Indirect Rate
- O. Tribal Ordinance
- P. Board Decision
- O. Education Summit

ubject: SUR Rate for BPSD

Date: Tuesday, July 16, 2002 1:53 PM

From: Michael Mora < michael mora@rca.state.ak.us>

To: Steve Walker swalker@gci.com

Cc: Lori Kenyon lorraine\_kenyon@rca.state.ak.us, Robin G Boysen

robin\_boysen@rca.state.ak.us

Steve: ACS of Anchorage, Inc. (ACS-AN) does not offer an urban service that is identical to GCI's BPSD. ACS-AN offers Frame Relay service which is the closest comparable urban service to BPSD's fractional T-1 requirements. Given GCI's increased need for bandwidth to sustain the quality of service of its VTC service over BPSD, I suggest that GCI use the SUR rate for Frame Relay at 1.544 Mbps with a CIR of 768Kbps.

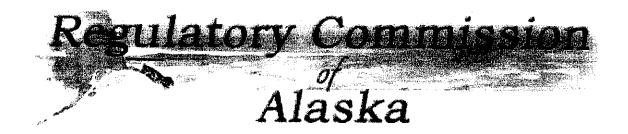
Best Regards, -Mike

PRIVATE LINE / FRACTIONAL T1 RATES			
Port Speed	Total Monthly Recurring Charge	Total Non-Recurring Charge	
128 Kbps	\$264.05	\$542.30	
256 Kbps	\$352.10	\$542.30	
384 Kbps	\$442.60	\$542.30	
512 Kbps	\$528.20	\$542.30	
768 Kbps	\$646.00	\$542.30	

<u>Back</u>

	FRAME RELAY						
Port Speed	Port Speed CIR Total Monthly Recurring Charge Total NonRecurring						
56 Kbps	16 Kbps 32 Kbps 48 Kbps	\$113.40 \$115.90 \$117.15	\$357.85				
128 Kbps	16 Kbps 32 Kbps 48 Kbps 56 Kbps	\$244.20 \$246.70 \$247.95 \$250.40	\$542.30				
256 Kbps	16 Kbps 32 Kbps 48 Kbps 56 Kbps 128 Kbps	\$304.94 \$307.45 \$308.70 \$311.15 \$324.80	\$542.30				
384 Kbps	16 Kbps 32 Kbps 48 Kbps 56 Kbps 128 Kbps 256 Kbps	\$368.20 \$370.70 \$371.95 \$374.40 \$388.05 \$415.35	\$542.30				
512 Kbps	16 Kbps 32 Kbps 48 Kbps 56 Kbps 128 Kbps 256 Kbps 384 Kbps	\$426.50 \$429.00 \$430.25 \$432.70 \$446.35 \$473.65 \$500.90	\$542.30				
768 Kbps	16 Kbps 32 Kbps 48 Kbps 56 Kbps 128 Kbps 256 Kbps 384 Kbps 512 Kbps	\$488.50 \$491.00 \$492.25 \$494.70 \$508.35 \$535.65 \$562.90 \$590.20	\$542.30				
1.544 Kbps	16 Kbps 32 Kbps 48 Kbps 56 Kbps 128 Kbps 256 Kbps 384 Kbps 512 Kbps 768 Kbps	\$667.05 \$669.55 \$670.80 \$673.25 \$686.90 \$714.20 \$741.45 \$768.75 \$824.55 \$879.10	\$543.30				

**Back** 



## Rural Health Care Support

Urban Rates for the Funding Year, 2003 (Funding Year Six) Effective 6/1/2003

The following lists the urban rates for Anchorage, AK. If the service you are seeking is not included in the list below please call the Regulatory Commission of Alaska at (907) 276-6222.

Service Name	Nonrecurring Charge	Monthly Recurring Charge*
Business Line	\$47.75	\$29.25
DDS-56 Kbps	\$596.70	\$201.10
Dedicated Private Line - Voice Grade	\$214.90	\$104.45
Satellite - 128 Kbps	\$1.193.40	\$402.20
T1-1.544 Mbps	\$965.60	\$1.116.65

Click to view the following rate tables:

- FRAME RELAY RATES
- PRIVATE LINE / FRACTIONAL T1 RATES
- DS3 RATES

\*These rates were developed by the Commission Staff at the direction of the Rural Health Care Division. Rates may be subject to change.

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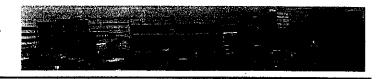
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Port Peed	CIR	Total Monthly Recurring Charge	Total NonRecurring Charge
56 Kbps		\$113.40 \$115.90 \$117.15	\$357.85
128 Kbps	16 Kbps 32 Kbps 48 Kbps 56 Kbps	\$244.20 \$246.70 \$247.95 \$250.40	\$542.30
256 Kbps	32 Kbps 48 Kbps 56 Kbps	\$304.94 \$307.45 \$308.70 \$311.15 \$324.80	\$542.30
384 Kbps	32 Kbps 48 Kbps 56 Kbps 128 Kbps	\$368.20 \$370.70 \$371.95 \$374.40 \$388.05 \$415.35	\$542.30
ეე12 Kbps	256 Kbps	\$426.50 \$429.00 \$430.25 \$432.70 \$446.35 \$473.65 \$500.90	\$542.30
768 Kbps	256 Kbps	\$488.50 \$491.00 \$492.25 \$494.70 \$508.35 \$535.65 \$562.90 \$590.20	\$542.30
1.544 Kbps	16 Kbps 32 Kbps 48 Kbps 56 Kbps 128 Kbps 256 Kbps 384 Kbps 512 Kbps 768 Kbps 1024 Kbps	\$667.05 \$669.55 \$670.80 \$673.25 \$686.90 \$714.20 \$741.45 \$768.75 \$824.55 \$879.10	\$543.30

## Regulatory Commission of Alaska



## Rural Health Care Support

Urban Rates for the Funding Year, 2002 (Funding Year Five) Effective 6/1/2002

The following lists the urban rates for Anchorage, AK. If the service you are seeking is not included in the list below please call the Regulatory Commission of Alaska at (907) 276-6222.

Service Name	Nonrecurring Charge	Monthly Recurring Charge*
Business Line	\$47.75	\$29.25
DDS-56 Kbps	\$596.70	\$201.10
Dedicated Private Line - Voice Grade	\$214.90	\$104.45
Satellite - 128 Kbps	\$1.193.40	\$402.20
T1-1.544 Mbps	\$965.60	\$1.116.65

#### FRAME RELAY

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Port Speed	CIR	Total Monthly Recurring Charge	Total NonRecurring Charge
	16 Kbps	\$113.40	
56 Kbps	32 Kbps	\$115.90	\$357.85
	48 Kbps	\$117.15	
	16 Kbps	\$244.20	
128 Kbps	32 Kbps	\$246.70	\$542.30
<b></b>	48 Kbps	\$247.95	<b>40 12.33</b>
	56 Kbps	\$250.40	
	16 Kbps	\$304.94	
050 1/4	32 Kbps	\$307.45	0.5.40.00
256 Kbps	48 Kbps	\$308.70	\$542.30
	56 Kbps	\$311.15	
	128 Kbps	\$324.80	
	16 Kbps	\$368.20	
	32 Kbps	\$370.70	
384 Kbps	48 Kbps	\$371.95	\$542.30
,	56 Kbps	\$374.40	
	128 Kbps	\$388.05	
	256 Kbps	\$415.35	
	16 Kbps	\$426.50	
	32 Kbps	\$429.00	
540.14	48 Kbps	\$430.25	<b>\$5.40.00</b>
512 Kbps	56 Kbps	\$432.70	\$542.30
	128 Kbps	\$446.35	
	256 Kbps	\$473.65	
	384 Kbps	\$500.90	
	16 Kbps	\$488.50	
	32 Kbps	\$491.00	
	48 Kbps	\$492.25	
768 Kbps	56 Kbps	\$494.70	\$542.30
	128 Kbps	\$508.35	
	256 Kbps 384 Kbps	\$535.65 \$562.90	
	512 Kbps	\$590.20	
	16 Kbps	\$667.05	
	32 Kbps	\$669.55	
1.544 <b>Mb</b> ps	48 Kbps	\$670.80	
	56 Kbps	\$673.25	
	128 Kbps	\$686.90	#540.00
	256 Kbps	\$714.20	\$542.30
	384 Kbps	\$741.45	
	512 Kbps	\$768.75	- 
William Company and the Company of t	768 Kbps	\$824.55	
	1024 Kbps	\$879.10	

## Regulatory Commission of Alaska



## Rural Health Care Support

# Urban Rates for the Funding Year Four effective 6/1/2001

The following lists the urban rates for Anchorage, AK. If the service you are seeking is not included in the list below please call the Regulatory Commission of Alaska at (907) 276-6222.

Service Name	Nonrecurring Charge	Monthly Recurring Charge*	
Business Line	\$42.00	\$29.25	
DDS-56 Kbps	\$596.70	\$201.10	
Dedicated Private Line - Voice Grade	\$214.90	\$104.45	
Satellite - 128 Kbps	\$1.193.40	\$402.20	
T1-1.544 Mbps	\$965.60	\$1.116.65	

FRAME RELAY

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## Rural Health Care Support

### Urban Rates for the 2001 Funding Year

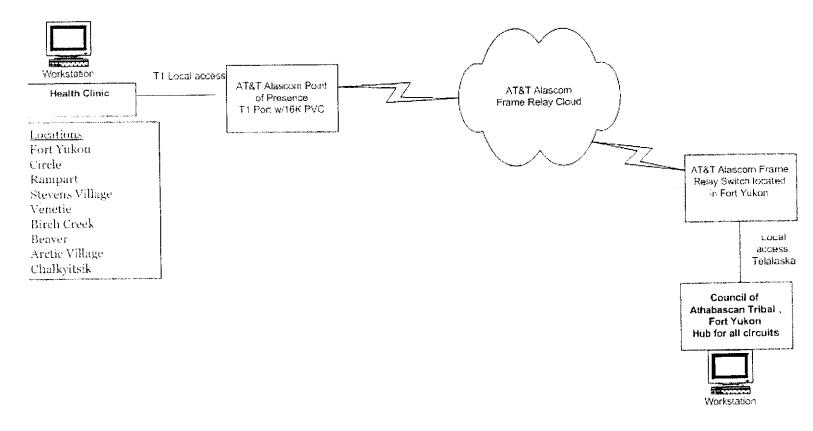
The following lists the urban rates for Anchorage, AK. If the service you are seeking is not included in the list below please call the Regulatory Commission of Alaska at (907) 276-6222.

Service Name	Nonrecurring Charge	Monthly Recurring Charge*	
Business Line	\$42.00	\$29.25	
DDS-56 Kbps	\$481.20	\$162.35	
Dedicated Private Line - Voice Grade	\$173.30	\$84.00	
Frame Relay - 32 Kbps	\$288.60	\$93.50	
Frame Relay - 56 Kbps	\$288.60	\$96.50	
Frame Relay - 128 Kbps	\$437.35	\$212.95	
Frame Relay - 256 Kbps	\$437.35	\$283.95	
Frame Relay - 768 Kbps CIR/ 1.544 Mbps Port speed	\$437.35	\$664.95	*
Frame Relay - 1.544 Mbps	\$437.35	\$796.95	-
Satellite - 128 Kbps	\$962.40	\$324.70	
T1-1.544 Mbps	\$778.70	\$900.45	

<sup>\*</sup>These rates were developed by the Commission Staff at the direction of the Rural Health Care Division. Rates may be subject to change.

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# Council of Athabascan Tribal Governments Wide Area Network



AT&T Alascom

repaied by Maryann Flowers Jec 23, 2003

	CATG cost for Win	de Area Network under l	JSAC	program	
HCP#	CITY	Description of Service	Mont	hly charges	Install
11011	Circle	T1 Port w/16K pvc	\$	667.05	\$ 543.30
11012	Council of Athabascan Tribal Govt	Hub Local Access	\$	667.05	\$ 543.30
11013	Rampart	T1 Port w/16K pvc	\$	667.05	\$ 543.30
11014	Stevens Village	T1 Port w/16K pvc	\$	667.05	\$ 543.30
11015	Venetie	T1 Port w/16K pvc	\$	667.05	\$ 543.30
11016	Birch Creek	T1 Port w/16K pvc	\$	667.05	\$ 543.30
11017	Beaver Health	T1 Port w/16K pvc	\$	667.05	\$ 543.30
11018	Arctic Village	T1 Port w/16K pvc	\$	667.05	\$ 543.30
11022	Chalkyitsik	T1 Port w/16K pvc	\$	667.05	\$ 543.30
	TOTALS		\$	6,003.45	\$4,889.70